

Industrial Sand Mining: 2002

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2002 Economic Census

Mining

Industry Series



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U.S. Department of Commerce
Economics and Statistics Administration
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Table 1. Historical Statistics for the Industry: 2002 and 1997

[Data based on the 2002 Economic Census. For information on confidentiality protection, nonsampling error, and explanation of terms, see note at end of table. For meaning of abbreviations and symbols, see introductory text]

Industry and year	Com- panies ¹	All estab- lish- ments ²	All employees		Production, development, and exploration workers			Value added (\$1,000)	Total cost of supplies (\$1,000)	Total value of shipments and receipts for services (\$1,000)	Capital expendi- tures (\$1,000)
			For pay period including March 12	Annual payroll (\$1,000)	For pay period including March 12	Annual hours (1,000)	Annual wages (\$1,000)				
212322, Industrial sand mining 2002.. 1997..	93 84	142 140	2 851 2 803	109 839 91 306	2 260 2 123	4 688 4 412	80 373 62 111	505 315 367 507	187 436 178 109	650 541 511 557	42 210 34 059

¹For the census, a company is defined as a business organization consisting of one establishment or more under common ownership or control.

²Includes establishments with payroll at any time during the year.

Note: The data in this table are based on the 2002 Economic Census. To maintain confidentiality, the Census Bureau suppresses data to protect the identity of any business or individual. The census results in this table contain nonsampling errors. Data users who create their own estimates using data from American FactFinder tables should cite the Census Bureau as the source of the original data only. For explanation of terms, see Appendix A. For full technical documentation, see Appendix C.

Table 2. **Industry Statistics for Selected States and Offshore Areas: 2002**

[Not applicable to this report]

Table 3. Detailed Statistics by Industry: 2002

[Data based on the 2002 Economic Census. For information on confidentiality protection, nonsampling error, and explanation of terms, see note 2 at end of table. For meaning of abbreviations and symbols, see introductory text]

Item	Value
212322, Industrial sand mining	
Companies ¹	number.. 93
All establishments ²	number.. 142
Establishments with 0 to 19 employees	number.. 88
Establishments with 20 to 99 employees	number.. 51
Establishments with 100 employees or more	number.. 3
All employees for pay period including March 12	number.. 2 851
Total compensation	\$1,000.. 148 682
Annual payroll	\$1,000.. 109 839
Annual fringe benefits not included in payroll	\$1,000.. 38 843
Production, development, and exploration workers for pay period including March 12	number.. 2 260
Production, development, and exploration worker annual hours	1,000.. 4 688
Production, development, and exploration worker annual wages	\$1,000.. 80 373
Total cost of supplies	\$1,000.. 187 436
Supplies used, minerals received, and purchased machinery installed	\$1,000.. 95 251
Resales	\$1,000.. 1 808
Purchased fuels consumed	\$1,000.. 32 975
Purchased electricity	\$1,000.. 38 287
Contract work	\$1,000.. 19 115
Quantity of electricity purchased	1,000 kWh.. 628 958
Quantity of electricity generated less sold	1,000 kWh.. D
Total other expenses	\$1,000.. 43 803
Response coverage ratio ³	percent.. 85
Communications services	\$1,000.. 1 601
Legal services	\$1,000.. 722
Accounting, auditing, and bookkeeping services	\$1,000.. 375
Advertising and promotional services	\$1,000.. 345
All other expenses (not included above)	\$1,000.. 40 760
Total value of shipments and receipts for services	\$1,000.. 650 541
Primary products value of shipments	\$1,000.. 600 078
Secondary products value of shipments and receipts for services	\$1,000.. 48 597
Value of resales	\$1,000.. 1 866
Value of primary products shipments or services produced in all industries	\$1,000.. 614 007
Value of primary products shipments or services produced in this industry	\$1,000.. 600 078
Value of primary products shipments or services produced in other industries	\$1,000.. 13 929
Value added	\$1,000.. 505 315
Total inventories, end of 2001	\$1,000.. 61 526
Mineral products, crude petroleum, and natural gas liquids inventories	\$1,000.. 40 969
Supplies, parts, fuels, etc., inventories	\$1,000.. 20 557
Total inventories, end of 2002	\$1,000.. 60 039
Mineral products, crude petroleum, and natural gas liquids inventories	\$1,000.. 39 897
Supplies, parts, fuels, etc., inventories	\$1,000.. 20 142
Gross book value of depreciable/depletable assets at beginning of year	\$1,000.. 847 226
Capital expenditures (except land and mineral rights)	\$1,000.. 42 210
Capital expenditures for buildings, structures, machinery, and equipment (new and used)	\$1,000.. 38 839
Capital expenditures for mineral exploration and development	\$1,000.. 3 371
Capital expenditures for mineral land and rights	\$1,000.. D
Deductions from depreciable/depletable assets during year	\$1,000.. D
Gross book value of depreciable/depletable assets at end of year	\$1,000.. 871 077
Total depreciation/depletion charges during year	\$1,000.. 49 066
Total rental payments during year	\$1,000.. 8 439
Buildings and other structures	\$1,000.. 1 228
Machinery and equipment	\$1,000.. 7 211
Lease rents	\$1,000.. 1 549
Expensed mineral exploration, development, land, and rights	\$1,000.. 13 270

¹For the census, a company is defined as a business organization consisting of one establishment or more under common ownership or control.

²Includes establishments with payroll at any time during the year.

³A response coverage ratio is derived for this item by calculating the ratio of the employment for those establishments that reported this item to the total employment for all establishments classified in this industry.

Note 1: The amounts shown for other expenses reflect only those services that establishments purchase from other companies.

Note 2: The data in this table are based on the 2002 Economic Census. To maintain confidentiality, the Census Bureau suppresses data to protect the identity of any business or individual. The census results in this table contain nonsampling errors. Data users who create their own estimates using data from American FactFinder tables should cite the Census Bureau as the source of the original data only. For explanation of terms, see Appendix A. For full technical documentation, see Appendix C.

Table 4. Industry Statistics by Employment Size: 2002

[Data based on the 2002 Economic Census. For information on confidentiality protection, nonsampling error, and explanation of terms, see note at end of table. For meaning of abbreviations and symbols, see introductory text]

Employment size class	E ¹	All establishments ²	All employees		Production, development, and exploration workers			Value added (\$1,000)	Total cost of supplies (\$1,000)	Total value of shipments and receipts for services (\$1,000)	Capital expenditures (\$1,000)
			For pay period including March 12	Annual payroll (\$1,000)	For pay period including March 12	Annual hours (1,000)	Annual wages (\$1,000)				
212322, Industrial sand mining											
All establishments	—	142	2 851	109 839	2 260	4 688	80 373	505 315	187 436	650 541	42 210
Establishments with—											
0 to 4 employees	8	49	98	3 334	72	143	2 153	12 755	5 474	16 468	1 761
5 to 9 employees	3	21	144	5 389	120	244	4 090	21 232	9 410	29 137	1 505
10 to 19 employees	1	18	273	9 534	200	382	5 827	43 448	18 850	58 100	4 198
20 to 49 employees	—	43	1 476	57 263	1 156	2 451	41 305	272 137	101 785	349 365	24 557
50 to 99 employees	—	8	f	D	D	D	D	D	D	D	D
100 to 249 employees	—	3	e	D	D	D	D	D	D	D	D
250 to 499 employees	—	—	—	—	—	—	—	—	—	—	—
500 to 999 employees	—	—	—	—	—	—	—	—	—	—	—
1,000 to 2,499 employees	—	—	—	—	—	—	—	—	—	—	—
2,500 employees or more	—	—	—	—	—	—	—	—	—	—	—
Administrative records ³	9	42	134	4 895	102	203	3 246	20 519	6 910	23 213	4 216

¹Some payroll and sales data for small single-establishment companies with up to 20 employees (cutoff varied by industry) were obtained from administrative records of other government agencies rather than from census report forms. These data were then used in conjunction with industry averages to estimate statistics for these small establishments. This technique was also used for a small number of other establishments whose reports were not received at the time data were tabulated. The following symbols are shown where estimated data account for 10 percent or more of the figures shown: 1–10 to 19 percent; 2–20 to 29 percent; 3–30 to 39 percent; 4–40 to 49 percent; 5–50 to 59 percent; 6–60 to 69 percent; 7–70 to 79 percent; 8–80 to 89 percent; 9–90 percent or more.

²Includes establishments with payroll at any time during the year.

³Some payroll and sales data for small single-establishment companies with up to 20 employees (cutoff varied by industry) were obtained from administrative records of other government agencies rather than from census report forms. These data were then used in conjunction with industry averages to estimate statistics for these small establishments. Data are also included in respective size classes shown.

Note: The data in this table are based on the 2002 Economic Census. To maintain confidentiality, the Census Bureau suppresses data to protect the identity of any business or individual. The census results in this table contain nonsampling errors. Data users who create their own estimates using data from American FactFinder tables should cite the Census Bureau as the source of the original data only. For explanation of terms, see Appendix A. For full technical documentation, see Appendix C.

Table 5. Industry Statistics by Type of Operation: 2002

[Data based on the 2002 Economic Census. For information on confidentiality protection, nonsampling error, and explanation of terms, see note at end of table. For meaning of abbreviations and symbols, see introductory text]

Industry and type of operation	All establishments ¹		All employees		Production, development, and exploration workers			Value added (\$1,000)	Total value of shipments and receipts for services (\$1,000)
	Total	With 20 employees or more	For pay period including March 12	Annual payroll (\$1,000)	For pay period including March 12	Annual hours (1,000)	Annual wages (\$1,000)		
212322, Industrial sand mining									
All establishments	142	54	2 851	109 839	2 260	4 688	80 373	505 315	650 541
Producing establishments	142	54	2 851	109 839	2 260	4 688	80 373	505 315	650 541
Mines or wells only	2	1	b	D	D	D	D	D	D
Underground mines	—	—	—	—	—	—	—	—	—
Open-pit mines	—	—	—	—	—	—	—	—	—
Combination mines, well operations, or other types of mines	2	1	b	D	D	D	D	D	D
Mines with preparation plants	134	53	2 765	107 551	2 191	4 562	78 683	492 198	631 955
Underground mines	3	3	123	4 221	110	221	3 597	19 819	26 307
Open-pit mines	128	48	2 534	98 577	2 007	4 163	72 126	457 266	585 882
Combination mines or other types of mines	3	2	108	4 753	74	178	2 960	15 113	19 766
Separately operated preparation plants	6	—	b	D	D	D	D	D	D
Undistributed ²	—	—	—	—	—	—	—	—	—
Nonproducing establishments	—	—	—	—	—	—	—	—	—

¹Includes establishments with payroll at any time during the year.

²Includes data for establishments that were not possible to classify based on information available.

Note: The data in this table are based on the 2002 Economic Census. To maintain confidentiality, the Census Bureau suppresses data to protect the identity of any business or individual. The census results in this table contain nonsampling errors. Data users who create their own estimates using data from American FactFinder tables should cite the Census Bureau as the source of the original data only. For explanation of terms, see Appendix A. For full technical documentation, see Appendix C.

Table 6a. Products or Services Statistics: 2002 and 1997

[Includes quantity and value of products or receipts for services of this industry produced by (1) establishments classified in this industry (primary) and (2) establishments classified in other industries (secondary). Transfers of products of this industry from one establishment of a company to another establishment of the same company (interplant transfers) are also included. Data based on the 2002 Economic Census. For information on confidentiality protection, nonsampling error, and explanation of terms, see note 2 at end of table. For meaning of abbreviations and symbols, see introductory text]

Product or service code	Product or service	Quantity of production for all purposes	Product shipments or receipts for services	
			Quantity	Value (\$1,000)
212322	Industrial sand mining	2002.. X 1997.. X	X X	614 007 501 773
2123221	Industrial glass sand	2002.. X 1997.. X	X X	248 236 218 913
21232211	Industrial glass sand	2002.. X 1997.. X	X X	248 236 218 913
2123221100	Industrial glass sand mil s tons	2002.. 13.7 1997.. 13.6	^P 13.7 13.4	248 236 218 913
2123223	Industrial molding sand	2002.. X 1997.. X	X X	65 374 83 099
21232231	Industrial molding sand	2002.. X 1997.. X	X X	65 374 83 099
2123223100	Industrial molding sand mil s tons	2002.. 4.6 1997.. 6.3	^P 4.5 6.2	65 374 83 099
2123229	Other industrial sand	2002.. X 1997.. X	X X	252 787 175 288
21232291	Other industrial sand	2002.. X 1997.. X	X X	252 787 175 288
2123229100	Other industrial sand mil s tons	2002.. 12.6 1997.. 7.4	^P 12.2 7.2	252 787 175 288
212322W	Industrial sand mining, nsk	2002.. X 1997.. X	X X	47 610 24 473
212322WY	Industrial sand mining, nsk	2002.. X 1997.. X	X X	47 610 24 473
212322WYWT	Industrial sand mining, nsk	2002.. X 1997.. X	X X	47 610 24 473

Note 1: For some establishments, data have been estimated from central unit values that are based on quantity-value relationships of reported data. The following symbols are used when percentage of each quantity figure estimated in this manner equals or exceeds 10 percent of published figure: p-10 to 19 percent estimated; q-20 to 29 percent estimated. If 30 percent or more is estimated, figure is replaced by S.

Note 2: The data in this table are based on the 2002 Economic Census. To maintain confidentiality, the Census Bureau suppresses data to protect the identity of any business or individual. The census results in this table contain nonsampling errors. Data users who create their own estimates using data from American FactFinder tables should cite the Census Bureau as the source of the original data only. For explanation of terms, see Appendix A. For full technical documentation, see Appendix C.

Table 6b. **Product Class Shipments or Receipts for Services for Selected States and Offshore Areas: 2002 and 1997**

[Not applicable to this report]

Table 7. Selected Supplies, Minerals Received for Preparation, Purchased Machinery, and Fuels Consumed by Type: 2002 and 1997

[Includes quantity and cost of supplies and fuels consumed or put into production by establishments classified only in this industry. Data based on the 2002 Economic Census. For information on confidentiality protection, nonsampling error, and explanation of terms, see note 2 at end of table. For meaning of abbreviations and symbols, see introductory text]

Supply or fuel code	Supply or fuel consumed	Quantity	Delivered cost (\$1,000)
212322	Industrial sand mining		
	Supplies consumed by type		
21231005	Broken stone, received for preparation (crushing, screening, washing, etc.) mil s tons 2002..	S	3 802
	1997..	D	D
21232001	Sand and gravel, received for preparation mil s tons 2002..	1.5	6 680
	1997..	.7	4 943
33300007	Purchased machinery installed, including mobile loading, transportation, and other equipment installed at the operation 2002..	X	15 890
	1997..	X	24 632
33300009	Parts and attachments for mining, mineral preparation, construction, and conveying machinery and equipment 2002..	X	23 735
	1997..	X	24 619
32592003	Explosive materials, excluding ammonium nitrate 2002..	X	1 262
	1997..	X	1 411
32592005	Ammonium nitrate 2002..	X	1 465
	1997..	X	D
32592007	Blasting accessories 2002..	X	D
	1997..	X	129
32600007	Rubber and plastics products, including tires and tubes 2002..	X	D
	1997..	X	636
33120059	Steel shapes and forms (excluding castings and forgings) 2002..	X	3 218
	1997..	X	1 541
00970098	All other supplies 2002..	X	27 016
	1997..	X	28 570
00973000	Undistributed minerals, purchased machinery, parts, attachments, and supplies used 2002..	X	10 439
	1997..	X	13 569
	Fuels consumed by type		
21211003	Coal (bituminous, subbituminous, lignite, and anthracite) consumed as a fuel 1,000 s tons 2002..	D	D
	1997..	D	D
32411017	Distillate (light) grade numbers 1, 2, 4, and light diesel fuel used as a fuel 1,000 bbl 2002..	q134.4	5 492
	1997..	87.6	2 797
32411019	Residual (heavy) grade numbers 5 and 6 and heavy diesel fuel used as a fuel 1,000 bbl 2002..	S	1 457
	1997..	33.3	824
21111015	Gas (natural, manufactured, and mixed) used as a fuel bil cu ft 2002..	p5.2	17 901
	1997..	6.4	17 103
32411015	Gasoline used as a fuel mil gal 2002..	D	D
	1997..	D	D
00960018	Other fuels (liquefied petroleum gas, coke, wood, etc.) 2002..	X	2 470
	1997..	X	1 235
00974000	Undistributed fuels 2002..	X	4 728
	1997..	X	3 542

Note 1: For some establishments, data have been estimated from central unit values that are based on quantity-value relationships of reported data. The following symbols are used when percentage of each quantity figure estimated in this manner equals or exceeds 10 percent of published figure: p—10 to 19 percent estimated; q—20 to 29 percent estimated. If 30 percent or more is estimated, figure is replaced by S.

Note 2: The data in this table are based on the 2002 Economic Census. To maintain confidentiality, the Census Bureau suppresses data to protect the identity of any business or individual. The census results in this table contain nonsampling errors. Data users who create their own estimates using data from American FactFinder tables should cite the Census Bureau as the source of the original data only. For explanation of terms, see Appendix A. For full technical documentation, see Appendix C.